Avation Tevs Megraw-Hill Publishin Y COMPANY, INC. DECEMBER 18, 1944



Consolidated Vulue's Stinson Foyager 125: Ready for mass production as soon as material restrictions are relaxed, Comuris's post-ture presonal plane combines features of the Stinson Army lidison plane with others of the pre-var Stinson Voyager 105. The result: a sleek, hauritously furnished plane which will carry three with ample bagoage, or four presons with small bagoage allocance. Plane cruises at 112 mph., and has 470-mile range. Safety and reliability have been the major consideration in design, company officials report.

Lewis Reveals JP Research as Major Industry Activity

Discloses that a "very large number" of planes powered by jet propulsion and gas turbine units are being developed by Army and Navy. Page 35

 Distribution Main Hurdle in Surplus for Schools
Providing of tools, instructional booklets, teachers and other facilities for educational work in aviation are other serious factors. Page 7

Ask Reforms in Legislation, Personal Aviation Policy NATA at its St. Louis meeting presses vigorously for federal action to eliminate useless rules hampering development of private flying.....Page 11

CAA Research on Swivel Wheels May Revise Port Plans

SEND DAND TUBES





Dependable transmission and reception under all conditions of military and air-



TRANSMITTING TIRES GATHORE BAY TURES APPELLA PURPOSE TUNES SECRIPING THESE PROPERTIES LAMPS

THE AVIATION NEWS

Washington Observer

U.S. CHAMBER ON AVIATION-There are indications that the policy of the United States Chamber of Cormerce which endered sterrethin line participation in air commerce had year on the recommendation of its Transport Committee, may be not to another test this year. These were strang, but ineffective revolts against the street by Pay American and deventic siding members of the body at that time. The Chamber, renerally, has steed on a platsir policy ones, and supported a policy of regulated connectition, with atengration participation as far as airline policy rees.

ENDORSES CHICAGO RESULTS-The

sion of National Churcher noticy has indicated Pun American, Jack Pres, TWA, W. A. Potter-900, United, J. E. Bleter, Assertess Export, S.

NEWFOUNDLAND-Last restrict withdrawat by the British of Newdoordheed participa-



AVIATION NEWS a December 18, 1866

mother phase in the horse-trading game the English are forcing in international sir. Newfoundland is a Crown Calony, but is in a form central of its international and internal relations. It also is the probable focal point for



Two Bell Helicontern-Louer version, soldier that giver Bell abon its bank stebility shouse

CHUFFS OF STAFF--Oaly point on which agreement was fully reached in the Woodrum Past-way Military Policy Correlities bearings leat successor-thed a permanent John Chiefs of Staff organization is desirable—is being leaplemeeted by the introduction of legislation. Chair Affairs Committee and Chairman Andrew May (D. No.) of the Military Affairs Convertible. have alreadtoneously introduced bills alving the Joint Chiefs of Staff permanent status in the notice's military appropriation. The appropriate tion new epecates under executive order and would be dishanded six months after the war. Action is expected inneediately after the first

VIVAL PUNCTION...More than excels the mand down through both services. But breamd will require constant attention to national pol-State Department functioning. That is probably

of the year



SPACE to Grow Bigger

Western United Street has \$5 per core of the head arm of the corespo. yet it haves only 13 per cost of the people. With new power resources, new contrastre, new water that well make or existing of and actes, it hadds out green opportunity for man to containing on land, his premary source of wealth. For hundre the sail that somes fond and finder, the West

now has big industry. The room districts of the West would work absolution as arrival assessed industry were it not for air transportation ... are service built to meet the needs of the West, Western Air Lines is the West's own soften Born. 18 years and in the West, it has remon his in the lab of service the Were, It knows the expending economy of the West-the pressing need to keep more such the repulsion shift necessard. Western Air will

consists to efficusely serve the hard and the needle of the West General Tearns Orner 500 West 6th Street, Los Avenus 14, Culpanna

AVIATION NEWS . December 16, 1946

AVIATION NEWS? THE STAFF

CONTENTS

THE PHOTOS Editored Headqueries

Published and Exercise Office Austic Court Office 625 for blood St. Law Assats

Adventions Index Mana Day of Greeni Moren half Allyside Corp. ages & Applied C Waste St. Lane Com-

NEW CHOP-DUNNING SALES FIELD-A valenced that can be dested from planes over catton fields several weeks before nicking time. This leaves hells unborosed and they can be system nicking costs and making American colten shoup enough to compete with lower-cost countries and with rayon and other connectition

unsterials in the describe field. It takes 30 pounds to the acce, and opens a new field for

HIG PLANE LAG-Labor shortages and turnover are affecting production of the B-29 and H-37 and the Douglas C-54, my WPE sources. The Douglas plant in Chicago has with the losses. All facer \$1.18 plants one softenthe great need for the planes in the Pocific, The same applies in the B-32 program.

NATIONAL SERVICE ACT AGAIN...There are respected indicates that the War and Navadeportments are properting to start another compaign for constructs of some form of national service legislation, similar to the Austin-Wadsin Congress despite the efforts of Under Secre-

Future transport delivenes

The same air travel early, dated 1941-1943, will be valid through 1945. No discount will be availshie, probably until peace. Before the war, card helders were river a 15% discourt from one was laws would reduce the discount in the post-war hoped for anaconcements in the near future Although all other astivities of Air Cores, Inc.

Apr. 1 to eccupiete the market survey. * Report increases in B-38 cutport in a "production manufa," WPB Actum Chief Batcheller belower. with 65,436 in the full year 1965, but this includes Of the 15 most critical war programs, Super-

tagy of War Potterson and the late Secretary of the Navy Knox to ust it over. War Department refused to acknowledge defeat and despite the security traditions of any such pressure at this store of the way, will would like to see a national service law passed, according to lafegreed quar-

ARMY VS. WPB-In recent weeks the Army is weerled to have made significant progress in its structle with the WPB over control of proinduces, emerally in the Wayte Bouse where to coney its draw for a national survice set. The during than has either WPB or the War Man-

CONGRESS COOL--- If the currence is brought Industry renear By is an appeared to the measure labor's position. The draft labor hill was unmanufac wellficelly last upring.

destruction had with a MW, sain in Messacher cour. The excellent work of L. Welch Pomes at the Sa-Popue's high standing in both industry and goveraction is seldom equalled by any government Arrives are favoring both a flight reserver and

a flight muchanic, in addition to point and first offier, on hone-rance, four-engined haddolunes, but tion of parts is unifies by until Douglas receives reb-Average nurfraces weight per Nevy plants ne-created has increased from 2.748 sounds in early 1990 to 5,453 m the first half of 1944, but cost per b The Novy but on head at Sept 30, 38,976 aircraft, command with \$3,092 at Jan 1. It returned 20,058

AVIATION NEWS a December 10 1944

BUILDING VERTICAL SKYWAYS

By WAYNE W. PARRISH Publisher of "American Aviation" tells of Bell Alzeraff's progress in helicoptes development



achools and others yet to be designnated for other metriations—will conduct a current of all chrible schools within their sunedictions

Each agency will have a list of

Distribution Cost Main Hurdle In Allocating Surplus to Schools

Providing of tools, instructional booklets, teachers and other facilities for educational work in aviation are other serious factors confronting plan to utilize surplus equipment in trainine students.

By WILLIAM G. KEY

Costs of distribution are going to extinual Pursones has succepted a ment for educational use Other service personnel are available. Filebook Cunvent-These "repra-

The Advisory Committee for

Arronautient Equatereest for Edu- erring Association for parostical

total same 22 porce after bowns Property Ayutton Division, under MANAGEMENT Listed - The Ad-

centative accarics" -- vcubstdy subto schools through the bush was not made in the formula Prop- school elegation, the American Association for Justice Colleges. the American of American Cal-

indrodust school by delivering it Utilization of Sarrica Class E less, the National Cathalic Educates and it will impress permanent arraymetten for dis-

Tucsen modulication plant. It can corry 20 pessespers

refrigerator, work toble, and a conference table for



N my estimation it will be some wine IN my estimation it will be some time before flying arrest the country es a belieurarr becomes widespecal,

resor, supported on a marrenal great the same base to turn on its loaging "When colling and visibility are ton direct rate. The second is a bar which, gyroscopically, tensis to keep the rotor SERVER ASSOCIATE WAS PRODUCTION COUNCIL., EAST COAST, INC.

rescar work, femler man for airflees, time reclientees. "When this progressive company can turn its skills and resources to lengers in the postwar ovistion field."

Accordes (P 19) and Kingolins (P 65) — Fighters
Accordes (P 19) and Kingolins (P 65) — Fighters
Accordes — Accordes First Sci Proteind Plans DESIGNATE STATEMENT Finally Gun Meunts and other endeance materials

AVIATION NEWS . December 15, 1944

may be used appra by Britoin's soar leader. This "Commande" nor given a green-foot externors of its Hoursel Canada, to Sydney, Australia, in four date, none section of Consolidated Vulter Aircraft Corp 's 16 hours, 10 nonates of fixing time. AVIATION NEWS . December 18, 1846

use in flight. Recently at made a round trip from



tobution of accomptions educational material after the circo of It is not enticepated that the permany one is the lack of teachers. and a lack of knowledge of re-

pern. These are not available. A third is the lock of instructional Hatter to still under discussion, 866 FCost Serious Problem-Although ability that will assure destruction

pected to be the most serious of and other equipment will have the schools to pay fixed parking able difficulty with this factor in awillable to the representative It is felt by some close to the agencies, with a stignistion that is trust be accepted within a spe-

many not take advantage of this elethey desire to the representative agracy, where they will be account emerat the schools occexclusits would be of very great be made up in adverse, seed the requests of each school scoonor evaction classes. There will be nacking charges When graterials notified and then must send SWAD stiltestion is obtained from the Safepurds-The surglus essep-

1300 Canada Planes Declared Surplus Total of 300 of cests month trainers, sold; many go to South

American countries. Mare than 1.200 service planes have been declared surplus in Caxada and 200 of these had been

spare parts and equipment sold a The Wer Assets Corp., Canadian gaverament corporation satublished to sell surplus goods, has draclosed that many of the sales have been to Booth American blickesh to Specify Needscountries Informed Caraclina ers, probably Fleets and deHavil-

> reary IRF Grove was said to Error I Some Sold in U. S .-- Some of the phones also were said in the Daited States, suine to a reldder an agreement with surplus officials in this country ander

Seaso player have been sold to Carodian sir transport companies.

bringing a top price of \$38,000 A Beeckeraft went for \$16,500 and brought an average of \$15,000 A Trainess Of the transport 185 must parts. Shortage of source and

the Mexican government Requirements for schools will The surplus declarations have penerally been single- and two-

Canada's policy in seneral folhandling combat types, although a

WAC is received wines and sal-

Aviation in Schools Makes Rapid Gains Bur, compared with pengruan in offing, surface has hardly been treather.

made in development of aviation by a number of groups in industry of participation and the number tion education completed, and dertaken However, these repe

Francisticas...(There are several cation are being operated now or



PLANES STOWED ABOARD CARRIER This assumed partiers shows mothed of storeing planes, not needed at the

recovers, on the houses deck of a modern American corolane carrier to work in the department of edu-First state to carrelete its penstrars, was Waconstn. followed by trict of Columbia, and Years its State Barona of Agreeouties,

a division of aerecutics has been the Texas-Ottishorsa area, in Calstates, in Pennsylvania, New Eng-

in the development of post-worour age education have been in the south and in the Praine states, aling marked progress, netably Alabases at the higher educational

The National Association of Secwatery School Principals and other server selling the frameworth of

b Edwardings! Groups-The three education foundations are the moneer one of American Airlinesto the planning stare. This had industry as a whole, but would be

in working out programs, supply-



Royal Air Force men check a segulane sersion of a JU 58 for books revolucements is given as the rosean for min outside of Canada,

entistance in development of axia-At the college level, a recent survey of Bundle Aviation Corp. 1,300 leading American colleges and universities are actively inresponses showed 377 expressing Interest Of these 237 new affer hundred twelve of these plan to ly teaching aviation courses, 95 have defrute intent of establishers

Facilities Lacking-Hawever, a survey of facilities at the verious colleges now teaching aviation courses, showed that only 76 of the 237 have necessary facilities for a permanent program of avintion education. One hundred sixty

additional equipment own eyes is these progressive

adults in the effect of aviation on

Object Lesson One example of a altestion It is that of a southern school which requested, and received intrainen. The plane formed

school found that the place object Jessen

ing classroom safe and render other power subsets of human life and have already leased. Among the activity, state operance of tencher education; re-exemptation of the carriculum to meet new weeks proper properation and use of mareading motored. At the high school level, the supst would have epoortunity both for general assumed to persuadily as an analy as a state programs recommend

instruction in flying, which is recommended only at the junior callege and college level. W. G. K. Tenn.Education Dept.

Forms Air Division Unit organized to promote pilot erstains in achoos, forcer perconstruction and serve as clearing house for aviation develop-Establishment of a Division of partment of Education with

program as director, and Kenneth tion service as consultant, is an-

the new division has an specific To samt colleges in programs for m obtaining equipment and in-

proprintendenta, proprincia and teachers of high schools. To develop a plea for extending To arrange for visits of birth > To engurace CAP codet upo-To serve as clearing house for

Fire enfleres in the state own 000,000 pounds and will exert a their earn errorts and 10 others produce up to 36,000,000 pounds AVIATION NEWS + December 18, 1964

ville, believed the first Nerro univentily to own its amount Extenses Department of Univerperionce with a previous training program for nearly 300 teachers in training and 10 hours fight The Unrecruity also properts a

pariment of education, far the 1945 100 Students Enrolled - Nice

Accounties teachers have orpersoned the State Association of the three sections of the state. Charles H. Gilmore, former cour-The association will work with the evistion division in ex-

Build 18,000-Ton

Die Forging Press is now under construction, de-

more efficient sircraft component Finit by Mesta-WPB affecula will be built by Mesta Machine capacity in this country Magnegian forgings up to five or got feet Gerrana but the new American press will enable the production or The open will wearh about 5.-

precedence over say reconserving NATA Asks Reforms in Legislation projects, Grever Loaning, WPB accoraft consultant, told the conand U.S. Personal Aviation Policy

Association at St. Louis meeting presses vigorously for federal action to eliminate useless rules and requirements hampering development of private flying; seven resolutions adopted. sufficient to negrant exteriorance

By ALEXANDER MISURILY

Encouraged by afficial indica-

abstion and administrative policy; and non-actualished assistion; that the Assistant Secretary of Commerce encourge, foster and pro-That Congress and state legisla-FThat a trend toward musicipal

of nir services and facilities. "not in the realist interest" and fathe O.A. Hill of Highly causes a coverness is set for Dec. 30. Proeffective morae 60 to 90 days later. has been placed on physical reautrements for vilats. B seems

condition, accommunical knowledge That NATA members shall study

needs of landing facilities within their areas of operation and report their own and other local views on local needs to the NATA office for usbulations and presen-

ere was made by William A. Ons.

"A continuation of this policy

vices arrespirations," and cutfreed

Roosevelt Letter

Observers, noting the perpendered the letter's effect on

Addressed to "My Colonel Turner, "the letter the National Assiston Trades

serialed with you at Bt. Least ten Trades Association should role that the Association's playing in the nature's western The country takes ing schools for the refligery regrees and in vital cycling flying during the years of na-

"You have my macere good inketims to the welfare and prosperity of our own people volumity is bringing civil and be in the forefront guiding the industry to its post-war dee-

War Production Urged-Impertance of continuing eigeralt war production at full speed must take

AVIATION NEWS . December 18, 1944

pleten its war work. Employment Locaring ward work a settlement would give the company extra funds to catch up with other com-Shoustring Feeders-Dauman B. lines Association, and president of

gred by a rependuction adjustment

fallacy of "shoutring" feeder operation plans, pointing out that Americans who ride the feeder

Wins Collier Trophy Award of the Bohert J. Collier truply to Cust Late de Flores. UNION. for his contribution to the

tien. Current holder of this ave-For Greatest Air Achievement-The Collier Trucky was founded aviater, and is awarded annually by the National Arromatic Assa-

value of which has been decronsible for many sirends and cornmost during World War I as oncement development. He was pum-

in the Naval Reserve in 1946 have wan his Newy wines at Pensucola before come on duty with the Sureau of Aecanactics, where he Nutt Heads Packard

Air Engine Division Second major anneapocrant in two weeks reference sources of Perkerd Motor Car Co., into the post-war streraft engine field in Nutt. until preveral marths are

Corp. funds at Willow Bus Army

Deversors of the Arronauttent

Chamber of Commerce has

heen increased from 15 to 17

D. Bell, president of Bell Air-

coaft and Le Mottee Colva

chairman of Murbean Amerali

to Bell and Coles and Donald.

who is clustrant and Eugene

president lectater E B

president, Waso Arrerati Co.

Victor Sported, president, Aventure Corner C. L. Estando.

chairmon, Boeing Aircraft: R.

Gyranope Corp.; Robert H

prendent, Ryan Accommetical; Ozy W Vanglam, president, Cartin-Wright: J. Carling

Douglas, president of the

William Victoritationen of

cooperate in ourning out large AAF order for military cargo planes. ACCA Governors Aviation will be joined in production of Frequently recently un-Membership on the Board of

neaneed new raditory carps au-The Army Air Forces bore ondeced a large underland guan-American, Fairchild engineers will furnish design and production enproduction of the place, Poirpossible up the familities available at its Hopcestown, Md., plant. itamense fecilifies in its large madorn plants at Dallas and Manage built. The company has established a reputation for quantity production on three constanding planet of its own, the P-51 Musturns, the 23-28 Mitchell and the

new Devote Wasn engineer of \$160

Parleard has been senducing Rolls-

Boxes Meetin enemes for the

North American Poli Mustano

depend a will switch over to the

Note will marriage offices in

engineering. He had been assess

ciated with Curtine-Wright since 1915 and has been a nispect in

2 Firms to Produce

Extrchild and North American to

New C-82 Packet

The C-52 is the first successful plane dearned expressly for exrtanks, artillery, arrangition. range in excess of 2,500 relies. It Delegates from 14 Nations Sign "Five Freedoms" Document

Agreement, based on U. S. principle of building up world sir transport with as little restriction as possible, makes available for countries desiring it a free air, restricted only by such provisions as are called for to protect sovereignty.

that Newfoundland was a crown cept of open sicies for internation-Fresteeship-Since this is a provisional povernment, in effect a trusteeship, by a king-appointed

A week after the conference enders, there appeared to be nothing that might delay such a consulta-Afghanistan, China, Dominlean Republic, Ecuator, Huds, Haxdaras, Mexico, Nacaramas, Peru, b Five Freedoms - These sutions.

names to give each other the right to green their news terrstory. bound and inhound traffic arryless other rations exercise their rupt to prevent it These freedoms, based on the U.S. principle of building up in--Jack Nichols, vice president of little restriction on possible, thus charge the entire free of international sir relationships within the They male avelable for nations the United Kingdam had "failed Atlantic." The incident employmethod of hillsternl arracrasets.

pleanry session of the our confercare started last Nov. 1, still car. ence. five documents, typed on be used by nations during it A A two-freedom agreement, em-

documents. The others were an th-

cept Liberta, contained the standour future margin of superiority

agreement form for those countries desiring to go sheed by thes method. This document also contained the sewral resolutions First appendix, establishing a

avintura comes into force ce preciper condensate is held, was art. Third and fourth are the two-

tional international his acrysco A fifth, which had the universal approval of the conference, contained the drafts of technical

Ramsey Sees Planes With Speed of Sound Navy Bosson of Accordances

Algoraft with the meed of sound are forecast by Bear Ad-

"It is provinced that in the passed by further murked intold the Hauns Naval Affairs Come While similares of such much Barracy correspond that rand

standing, among others, being the Studied by Alciines - While he did not mention it, many of these devices will have application to

aggregative did not commit New manal air routes, the bilateral badwaced Designs-Planes still

on the secret list include inconvenjet propulace, a development dorecasts of speeds on the speed to 160 miles depending on altitude and other conditions 100 mob during the last four years. and their runge doubled. He com-

mented that the Navy's Veoght stays of the Navy and Morine equadrees and that the Curtisa Helldiver five bomber which has replaced the Daugles SBD Danst-

book load and his much greater range and higher speeds than the GM Development Unit Shifted to Allison The surcraft development sec-

tion of General Meters, directed Indianancias. The change will be C. E. Wilson, Gameral Motore date activities of the corporation which is currently engaged in

h New Facilities... Pficht test daelit.

tim, including a large hanger and

entston of the Habert J. Calling

tion at the Indianapolis division provide Allison division with exand test of engine applications to airplanes. Such work is now confixed to multiary requirements but.

AVIATION CALENDAR

Dan. 18--France Triply Award Elevar, Na-liting agreement assessment Section Es-ter, Wald-despens, 8 C. Free, 18-11 - despense, Leaving Specifical Con-trol of Control of Leaving Section Con-definers Evil E. Leaving Mr. Persburier Constitution of New York Con-Constitution of New York Con-Conned, New York City.

Rec. 60.—Fore Count Absorbt War Production
Counted, Los Argeles.

Jes. 5.—Nichosal Abbrevit State forth discounts
are, ASPA, Western Gricker merilies,
Delywood, Mücherbecker Hole, Hally-Jan. 5 3-Marrieri Abrusti Stradaris Com-mitter, ACCo. Economica Street Montage, Millional Economica Street Montage, Maring, New Continue Road, Derroll Jan 15-77 Wallerd Abstral Streeterts from militar Alexand Rivers Street Presss Montry Streets Rivel, Marrier \$1 Ann. (Andrew March Street, Street, St. Commission, St. Commission, Street, of Assessment September Systems, Survey, Survey, Survey, Street, St. Child.

day (4)

Jan H.H. Engan Torbeind Councilor more low find Lectuques, fire year for the fire fire for the fire Jan. 10-Studentines, Metacological Society Jan. 19-Peb. 1-19th Award Marine, Sent April 4.6. National Accussion Serving, Ja-gory of Automobile Engineers, Estel New Yorks, Hew York Cor. Triber Hee Teet Dry

, 19-30-Alviery Tribelest Correlates,
ACLA, New Orleans

e, 18-48-Origani Alvarritana Santana
maren Demokita, ACLA, New Orleans Hap Ad-Interestinal Arbibo Protructor from second convention Number East, Fis Hap 10-60; Prochamenta Abrahl East,

41st Anniversary of Wright Flight

Forty-first answering of Plocas DIM, was another event Orville Wright, perrovae memnastiral Sciences and the Na-Hawk, Vice Admiral P N L lantar Elect's our forces, ness ruran-11 a.m., the approximate hour of

hydoric first first

sirred owners and numicipall-

raria 200 conference delegates read Western States Awarton Con-FEstiburn Chairman-Glen Enti-

burn, vice-premdent of the National Accusautic Association and ebairmen of the Los Angeles

Calif. Air Leaders Prepare for Post-War

Mojor plane builders, under ACCA's Aircraft Manufactures Council, join in destring recommendations on aviation to be schmitted to State Legislature.

state for post-war aviation deof the nation's pre-war siceraft air boom expected on the West

Accept Manufacturers Council-

Another move saw the State resolutions and bills to be offered to the Legislature at the January Warren's California State Reconstruction and Employment Commarried and although the comparate with .

swinten preceets, which Commisintered by a future State Aviation The conference also emphasized

the need for already mount tion of airlines, aircraft macrafacturers, airport managers, personal

> atencies and so of Dec. 1, 6,339 surplus planes had been sold. Administrator, said that, of the

23,254 planes, the largest number total sold, the largest portion were tioned from their owners after Pearl Harbor for use m prelumcrees. In solding 911 ferner

ATIATION NEWS . December 15, 1944

U. S., U. K. Exchange Data on Standards Accessed reached during visit

of American uchaical mauten to craft standards between American

achieved during a recest system hat types shows \$92 single engine to Gress Britsen, undertaken by a group of technicisms representing United States, who have just re-2.323

Substantial progress toward greater undermity of standard British and American Industries and Britain has carried out to a high degree of standardination. Impartant Progress Made-While the orders working out of stondands will of necessity take conadorable time, the American techniciana did make importent of information on such matters

exception to interchangeable standards, and week will start at once on spark pines, occiain sle-The group, which represented the National Airprafts Standards Correctice and the Somety of Automotive Engineers, returned a

a technical mission in May of last Surplus Plane Total Reaches 23,391 A total of 23.591 surplanes have been declared surgice by the

problem has been made to locascharacter, but in which ganeral An attempt was sando to determone a formula for payment to transports for domestic sirling excess transports on the market record nords of arriver and radio

when comparable planes can be

within a resonable length of

In Post-War Aviation I Combat Craft-A large number of combut screenft are size surplus, A break-down of surplus coss-

fighters; 56 two-cagine fighters, 726 two-engine bombers and 131 four-regime burnbers, a total of Clark to Enter Law Benatar Bennett C. Cherk, of

sums more cases for restroads; at

Surplus transport planes will

fereign motions unless they get a

nanters Administration, it has

sold. Not included up the total

subconsoitte of the Senate Commerce Corresttee, defeated in the enter private law practice and man specialus in redroed accounts Clark teld some colleagues recently that "I have tried a reamber got ect of the Senste I may try

Marrin Sees 80% Cur The street industry will lose ing his same, it will retain at

rosech before the Langue, Mon.

He forecast speeds of 500 moh on long furble in Abrodionica sound-proofed private simplanes while warnishes of the futures will operate at 750 mah, speeds and be received to operate and land with safety in "corp-seco

Surplus Transports Not to Compete with New Planes

The requirement of CAA standtree will not be able to buy ands will be met at least when

Distinguished of Surplus Property's Awaten Division pelicy in On the part of the manufacturers. Defense Phrit Corp offsice of surphis places whenever ebta mod.

PRIVATE FLYING

CAA Research on Swivel Wheels May Revise Nationwide Port Plan

Abiliev to make cross-wind landings, believed possible in projected post-war research, could simplify landing field needs in many cases to single flight strip

By BLAINE STUBBLEFIELD

ight applane undestry's second

fur-surbted and useful. These enill-advised publicity that caused Wright is preparing to try

b Father of Safety MedelemV. regimered by John Oction and h Wheel Brosersh - Number 1 prof. others, is widely conding with set is easied wheels CAA set on fathering the present Eresape, store in a request for appropria-



TAVLORCRAFT FOUR-PLACE MODEL 15: Expellent traibabily for front and rear refers works Tayloreroft Model 15. usus four-place plane, demonstrated recently at St. Longs. Plane has 125 An Luccounts engine, and your new yoing with extremely less stallow seem! Correspon again plane's range from stalling to too speed Flore are averaged from a creak on matrument penel. Plane has dual

mendadical and it was cut out by crarie ando in unappopriar and ad-

of maney spent for hand and for clearing approaches and for sonone would have been wasted. A a fraction of the land and approach tertaining that opinion my it was work as does a multiple-runway

> perties. O. F. Maclaren, Ltd., and wheel arrangements, which are profuced by Airwork, Ltd., under tory. They have been in one for Oxford trainers, and they are be-P-51 Mustauge. The reports redi-

May Use "Ercoupe"-If CAA cor project, probably initial work belonging to CAA, and the procest server. These who have studied cross-wind landing, but how hig ing them either good or imprac-

carine and peopeller -- a pressure clutaria confronting those who would locate landing facilities close to dwelling areas.

2 Airpark Programs Debated in Wichita

Pleasing Commission and Chamher of Commerce committee offer rival places for landing fields inside or close by city limits.

in the city limits of Wichits, Kan., mession and the awation committoo of the Wichits Chamber of

gram calls for a principal downthree other aureorks to the city areas and a third providing landour families to the mostly and in-

ning commission is advecting a Barthelemew and Associates, conbuild three sirperica, just outside Both bodies are agreed that Washita also must have a seconfor future expansion into a second principal field, to supplement faciblies of the present Class 5

FCompromise-A conference be-Eve Toszs Toszed

Though cooperation of the quired of a griot. Pulsee to has deleased revision of physinal standards for pilots, Jesse-Lankford, safety bureau director, periods out Now the NRC is working on a project to pet 190 to 200 apvision is under present standbelieve results of the project will show visual nearly standwere relat with no sacrifice to safety, so that the examination

nesser of the reversement or Tenn. Operators Meet

Subtren fixed school and alrnort congretors from all sections of execution, for promotion of execution svistice. Frunk Knapp, head of Nurse Phrine Service Charlesville. Pelettier of Cillegree Alramys. engaged in military fight training.

while operators of other private

125 three-to-four-place plane, which arrived at NATA St. Louis meetmp last week with less than 10 hours' total flying time. Plane has 26 foot uringspore, as equipped with wing slate and flops, powered with

tween the planning commission Asks II. S.-Controlled and the aviation committee is being salled in an effort to open-Aviation Gas Tax

NAA councilor for Colifornia tells West Coast group of need for uniform federal levy to be of Wartite recently rejected a deused for benefit of sirveys so remand for a law poshibilize flight april 100 per popular co

gasoline toxes with a uniform fedbe allowed directly to sirways and landing facilities, was urged 2,000 feet during daylight, and last week in Hallywood at the California Aviation Conference. Sucreor of the proposal was John R. West, national counciler for California, National Ascenses the Association and president of West-Marquir, Inc., Les Angeles Cites Heavy Cost-A personal

arrolene owner who uses an Ering money from people in evininn" He estimated that varying state avoition sandire taxes now the those states a total return of from mention taxes offer strengt on alirways development in return for

airplane owners. He said that, of

tion tax and using it for state pur-

Service Stressed At Hawthorne Talks Better service and quaterner relatibra was the main theme of a ference held for 15 key officials of

ers. Proprint smoker, W. T. Garraway, formerly in sales testn-Corp., and former adviser to the ing "fancy uniforms" and mainprestory which descrit sell air-

Columbia, S. C., under leadarship, centily concluded a course in our

Wright recalls that efforts of

place production increased frees.

only two pleases or 1923, to 434 in

value on important new industry.

menufacturing industry, both of which are essentials of notional

18th, and to 4.455 in 1840

on Personal Aircraft excompant is the incodiste

The Alpha Helloogter Please Clab, compased of 10 Yought-Fundamental facilities siding in development of private flying: ports conveniently located to popgine, for the club's use billions to make our worth sir-

still is to bray one, except for melitary uses A Franchista Sharesan-To Assessed sonsating smaller tail roter, norder In many respects to the Risorsky, The funcinge, of geodetic conpine in a "backetavane" degun similar to the construction of the British Wellington bombers, was revelepond with steal tubicus. It ing equipment and other materials All clab members contribute and work toward building of the believpter. Workly dues are su-

Wright Asks Post-War Research

stion, which until recently has been a "stepchild" of CAA and titude has been the progressive Occurace, and L Welch

regue, CAB cistresas, also have indicated a more passive stand frauring res-scheduled eviation. strength is a statement by Adminfor this purpose as a post-was preceed. Painting to a need for schools and flight training in col-Fiteps to enable the United States to take its powper pince in refflore orrest by the National international aviations (a) by speciments occurrently approximately with foreign olvil avistion agencies. ndrenatrator emphasizes that lucgo public acceptance. He reralls that the Civil Accommiss Art of 1998 specifically charges tie development effort in recent

Wright anticipates a total Bcensed field of 600,000 personal planes 10 years after the war. \$383,008,000 a year, about frur for the transport plane manufac-The administrator outlines the

tomer relations for instructory at

Orangeburg, S. C.; Greensbare-High Petrit, N. C; Rocky Mount, N. C. and at hours to be recovered The conference included a buffet lancheon attended by 65 leading state city and assistan officials and

'Conter Club Formed

At Vought-Sikorsky Employee group to build own

Stkorsky Division, United Aircraft Corp .. causings at Bridgepert. Corn., is assessing relaxation construction of a one-place hallcepter powered with a 45 hp. co-Believed to be the first smateur behaviore flying obsh in this coungroup organized in Auril, 1963. adopted a constitution in June, and set out to build its own believeter. since it was impossible then and

seased, proceeds used entirely in

siepert peagmen, and would davort funds from the progress, thereby possibly depriving seems ports, in order to establish little-

used "wayvistoon" sleeg hugh-MECA Reps. Jermings Bondelob of ing the House fight which led to and evantually to its final removal.

Revised Road Bill Near Final Passage

Reeds Administration, was expected at presuture, to reach first

The flight strip section was

conference committee, substitut-

for extension or relocation of roads around experts, which is to be

that it would permit location of

flight streps to be decided without

Flight strip section removed with provision for extension or relaports, subject to consciousion of

> AMPHIBIAN USES 4-BLADE PROP Another entry in the small couplibion class for personal plone figers in mounted above and at the rear of the wine. Plane has metal built and a resued some degree different from that of the original court.

Plan Port Awards Victory for CAA and CABwill be awarded for the outstand-Defeat of the flight strips section

res contributions to the nation's st a victory for CAA and CAB, agreed to stimulate private and reference to the CAA neternal of landing facilities, will be judged by a committee of aviation leaders designated by the National Accenuction Association grose, a second of \$1,990, thend of \$500, and ten \$160 prizes. They are been donated by Andrew J Harre, provident of Haire Publish-

Hawthorne Expands The Fayetteville been is the fourth operation started by Hawthorse recently in the Carolina Others include Orangeburg, & C. Booky Mount, N. C. as well as

ris successed across operation si Columbia, & C., started in 1111 Manager of the new operation is W. Sibley Low, a potres of Spar-

tenburg, S. C., who has had If years' from experience, including pleques, while the others will retwo years of Army instruction at ceive herorable mention certifi-



ST. LOUIS' PORENT PARK LANDING STRIP On 1550-days recovering templing strip in microsco-

AUTATION NEWS a Describer 10 1944

as four-place personal plane, realors landing on strip

on Forget Durk. In forgonomial was Astronom milestrate utility of sirporks. About: Piper L-tX bisson- by-side plane, and Piper crusters.

Briefing

For Private Flyers and National School and Aviation. By ALEXANDER MOSERRELY Promoctive distributors and

course, the potential customers. suit of a few appetite-whetting peeks that manufacturers permittoresting planes to come which ADMA meeting. New plane news Piper-Significant was reaction twin tuilboom pasher plane. Nopush through development of the plane, as four-place thin, predict-

Currently, the congrupantal randel's flight choracteristics are not has 180 hp engine, retractable landing gear, is credited with crusting speed of little over 100 b "Mirrarde".--Another radical new cycle, with 49 hp. engine, probably

production. Skpcycle has only 29 foot wingspon, carries 19 gallees tie with simmon rear section, Plane was designed to use plants: From Cantrol-Several manufac-Polit Winstanks made by Diner as part of funcings. It will cruse

on Research Corn. the Ercoure b Republic-Despite the fact that maker Arronce abowed perture Republic want't able to get its araphibles out to St. Louis because wing plane which is expected to be its first twe-control plane. And white my other defines annuanceshelving the efectation of twofor a first year output of 2,400 control to their products, because planes The emphilican finally Army officeals and a return to Burket 165-The Johnson Bocket Deserva-Until Coners has definite

Pt. Worth, and in fue to start on it does not intend to autorance He DOther Taylorcraft Madels-Be-Fereily Planes-Only two critries in the family plane competition. B-12-B with redesired cabts. around \$4,000, with no quantities Streen's "three-ta-tour" place Vetager, both neward with 155 place foresty plane. Both Proce and

tempored. Planes in the demonthe Pener Loak and two Pines the 1.500-feet stree for landing or takeoff, and most of them used

the two-control plane field, presamably as licensees of Engineer-

Display Recon-One of the main

play complete planes in its windows, and will also carry a parts department to service the planes.

wing four-place planes. Aeropca's is expected to be found by engly

They wouldn't fly without them





A pilot on the India-China run has an ancient for Buddha attached to his control panel to help him "over the Hump."



A bright chiffon scarf is part of the flying equipment of a certain fighter pilot. It belonged to his best old-but now it's his Geographs "



A pavigator always carried with him a conturned for client. He has Reverl it contained telephone numbers and addresses of Tokio belies -until he discovered it was a

Ethyl antiknock fixed goes along with fighting planes powered by U.S. made casoline. It cons tuto practically every gallon of fighting grade aviation fuelwhich is one reason why our fliers not only have the best gasoline but plenty of it.

ETHYL CORPORATION



185 has 20 foot 10 mich sampages, is 21 feet 6 makes long, will bend at delinery price is \$5,000 with full equipment.

personal plane class, 15.5 pounds per square foot. Aeroesans propeller,

retractable tricycle pear with wide 166' trend and runne of 150 miles

IOHNSON ROCKET READY FOR DEBUT:

AVIATION NEWS . December 18, 1944

ATIATION NEWS . December 18, 1844

field ration list

Do you really get the BEST in Vibration Control?

Here is proof of the performance of the new Robinson Vibroshock* suspension, using the exclusive double neutral exis principle as compared with a conventional type shork mount formerly used for the same equipment.



The reliber dates not travery processing from references and shock, in fact, corresponds tibe enteres ones not trainer production from referen Rebisses engineers build the only complete, fully engineered

suspension guaranteed to absorb over 90% of all vibration throughout the series aircraft operating range, This is on efficiency retire for beyond occupted stondards, and it makes possible perfermance and reliability proviously unabtainable for electronic equipment. Our services are available to aircraft, radio, and

ROBINSON AVIATION, INC.

730 PATES MATERIAL PRINT THEM IS, M. T.

AVIATION NEWS . December 18, 1944

THE AIR WAR

COMMENTARY U. S. Gains on Leyte Consolidated For Next Air Blow Against Japs

Full scale move against northern Philippines possible, spearheaded by aviation based on newly recovered territory.

around Davas, southern Mendusso.

plane? (Oct 10) the ground

wing (1905th) from General Whitehead's Fifth Air Force was landed on Leate Heach. This was the late.

tisl group comprising the Pirst

striking force based on experience

dling more than 200 emergeory landings and takeoffs of Navy

fighters and bombers from Admiral Finet), By A-plas-seven (Oct. 21).

close had taken off, the vicel mats

were festened into place just as

A Other Daits-The 2020, Burgh Wang, before the arrival of its

for the Air Task Force, setting up

arrely fardities, latelforcers, and

and partly by the freezed efforts > Early Air Operations-On Afor a coeffy delaying action, the situation appears to be well in square miles) and Samer (5,100 square miles), we have liberated strategic territory in the heart of and other important enemy boson move against the northern Philipcounts and with invaluable aid beas a possibility in the reintryely h Progress on Lowis-/The Januares barry Breur and trioned from Dadase on the cast coast. The best of pec) Treleban Field was built as weather strips, one over a male long. All of these acriekts are un American bands, and the today (skirable enrincers (headed by reversed them and added new

Despite the passfully slaw elean-

of the Sixth Army, Around this Propagate, Night Fighters, strips. The selv important areair effort is coming from his many

Borehers-A few days later the the fighter welts, expressing the secies the effective work of these bombung raids. P-400 and P-47s

were edded to the day fighter and A-20 light bumbers and then B-27 Mitchells were flown in and stopped up the air punch of like plands recently including heavy attecks on Lunca.

h Assists by Carriers and Marines the myseus. After the exertycrimpilar Second Buttle of the vrial Manufa list area. The Press





Beenley Consessed

Shown at a new Borran B-29 Superfections have in the Marsonar are, left to right, Brio, Gen. Em-Reesher Command, Light Gen er of the 21th Ay Force, and Brus Gen. Hausand S. Horardt. Ja corresponding general of the 21s

PERSONNEL

president and general manager

ist of the year ambiant to A. Heritha operations. Larlasted in 1999 or

Oceaha and was sometied superintendent of depatch at the time he ledt the company in 1927 to go with TCA. At one time Liron was an sociated with the sirvous weather division of the U. S. Weather Bu-E. Ramell Trotsum, former swirter editor of the Springfield, Mass., Rrpatteres, has been appointed bull-

Standard Propellers Division of United Aircraft Corp., Hartford. John B. Mills has been appointed assistent public relations manager was with United Press and served

Association, served as assistant to Promotion of three traffic men of Unified Air Lines to new postures in



Marroy Halberr

roffe restance at Salt Lake Cite. has been appointed sourtest to Warat San Francisco, Sam B. Kellegg, formerly assisted district traffic Holbert at Salt Lake City. Carl Hueray becomes sunstant district traffic manager at Los Asserbes.

O. Theedore Larson (photo), vice- O. R. Wilson has been parced New 21 years J. A. Robinson becomes

> MacDanald Bryon, director of pairhe information for National Air

Perkey Bosse, whose new position



Washington offices of the Associa-D. W. Pennington has been named Rughes Aircraft Co. He succeeds

B. C. Evens, summing to the opera-Billiage, Meet He succeeds B. C. Anderson, now an special assign-

John C. Steach, formerly associated says of General Mators Corn. Do register of American Foundry engineer of American Foundry Equipment Co., Mishawaka, Ind. Straigh has unreled cheerly with air-

Ernest A. Pester, for the part three come public relations co-ordinator at Lockband Accorate Corn. Bur



Arthur Netl

Arthur Natt, who supervised depowers the B-20, has just been in Tuledo, site of new Inhoratories ing for Wright Accounting Corp.

G. Rickard Young has been named director of purchases for the Weato Chartes T. Craig, recently anposted manager of the company's Charage sales office and terntery.

R. Fey, newly elected president of the Air Traffic Conference of Aracrica, is assistant traffic manager or United Air Lines. For wan with Tidescater Oil Co. before entering Boxing School of Accessories He number traffe ramager since 1940 Edward E. Sura has been named to



to that he was assessed with Piper

Levels W. Beautist has been elected a receiver of the board of directors o, New York. He was directed Col. Frederick W. Costle, 35, has

ther powers! A graduate of West Point in 1990, he was one of the



Destroyer

Look on from the flow of over of Decision's ing built in their ways. These is the flowing curve of che and frame. The

fives when you study them more For the wing skin of one of these great bombers is no firmer there for fushfew crowded reses. They are no langer

tow in wright. They pigueroid modern way for all subsequent up been. They rank history with the Bar Floton

on know of our such readers ... if it's

THE MODEL THANKS . THE STRANGERS . PAR AMERICAN COUPLING BOEING

AVIATION NEWS a December 15, 1946 AVIATION NEWS . December 18, 1946

GOOD FYEAR AIRCRAFT PRODUCTION REPORT



GRUMMAN TBF-1 (Avenger) 3,000 Sets, Empennages

DESIGN CONTRACT EXCERNED: SEPTEMBER 1940
PRIST PRODUCTION UNIT DELIVERED: OCTORER 1941
HOUT PRODUCTION UNIT DELIVERED: MAY 1942
CONTRACTS COMPLETED: MODERNER 1945

Reserve : Production Asserty of these control of the control of the control of the production of the control testing of seems construction and of Goodpur Assert (Outprofiler) cellify to College man production of important control of the control of the control of the college college control of the college college

Goodpaar in building components for picture of the Army Many Syste of alloyed, lookeding complete

HOW GOODYEAR AIRCRAFT CORPORATION SERVES THE

1. by constroling com. 2. by designing point 3. by re-engineering 4. by building committee
pensate to manuface. See thypes of eligibless. point for manuposteridos. eligibous and deships.

AVIATION INDUSTRY

5. by extending factions of

Geodyear research leborate to old the solution of any sign or engineering problem GOOD YEAR

Alexen, Ohio Lischfield Fack, Asiron WAIT BONDS BUY THE WINDS OF VICTORY first eight officers, then a captain, to seen of E. I deffent of Necessar and go ownsess with Gen. In Enter to Co., succeeding the late W. Funklis form the Early's Bombardment Dessine

foe, as Misses.

Regienters, spe-

goe and Ag-

Sengre, Montgomery was in the

been ap-

H. H. Wittingham, formerly vicebas She suc-

Incomeline Cooksan has been elected canda Dobert E Bradford, who

elect of Mansachusetts. Miss air records and has been serving ter of Women Physis and head of the WASPS In provide life also in Mrs Flood B. Odlam

pointed vice-prendent and manager P. H. Sprager, who decurred the prototype from which the Regulder Fermingdale, L. plant Bpencer

> in 1913 and the same year dengmed and built (we fiying boats and a true-John F. Strickler, Jr., has been anof Bell Aireraft

del seem design work on the Atr-General C. Ford has succeeded W. S.

he spent many years in the public vince Field by Cel Syres E. Bruspe, chief of stoff to Brig. Gen Emmett O'Donnett, sed a half. The supply units for the B-32 and B-34 harders, the PMY Navy natrol

rector of sales of the Figures Divi- bomber, and Lockheed P-lib

nonesees that Alley K. Surder but rejoined the company as stoff asing and sales promotion. N. Stuart rector of advertising and sales pro-

· A new monthly publication, The vector of public relations and Mrs D. Theobald is editor. Any wafe mether, widow, drughter or vister of an AAP man who is, or ever way, a Delta Air Lines, Atineta, is dea four-color, 20-page booklet en traces Delta's 20-year hintory, nic-

. Patricia O'Malley, mablic relations coursed for Transcretomental and Western Air, for, has published a new book cartified "Air-* The Frenk M. Howks Messarual bons of the Serges-Heaved newsis a Box, concerning the gas burtime, has been referred by Altri-

Etra in brane lend to any industrial or engineering group. It is a 18 mm any Johle through Pan American district sales offices and travel

a Tre United Welting and Manufeeburing Co., Hartford, moleer of feeturing Co., Hartfeen, mon., on alamintana parts for a bornell, has apfiret ils awertning Newspapers. * Plane for a new Northwest Air-



The sames hooling goes, to open and I close absence, to raise seed lower fage. airplanes need marcies. They must be excefor, smooth and precise in their action. They must be strong and depondable. Here you see such massies. They are Lear

These Accesses are powerful, yet operate

to a place's limited electric carrent.

They've keeple seed strong, yet top the scales

in causes or palery posseds. They can be started and stopped with a simple switch or can be considerely automatic. Devices such as these, tried and proved

vodes the extreme stresses of war, will peare equally important on the great new airplanes which his shead in perce.

Loss engineers stand ready to contribute their experience with the are of such controls. Feel fore to call upon them whenever eccustred as accounting problem arises.

PLANTS. Paper, Giller, and Grand Rapids, Medigan Managers, New York, Lee Augustes Chicago, Donnie, Chronical



Forwardy Lear Arin, Sa.

FINANCIAL

PAA Financing Presents Unusual Underwriting Agreement

Investment trust to furnish up to \$25,000,000 capitalization if nirline's stockholders fail to subscribe to new shares, taking

option warrants instead of cash. The proposed francing planted shares outstanding would then agsigned to raise upwards of \$50 mil- > Underwritten by Atlas - Atlas lon during 1943, presents an un-

usual underwriting arrangement commitment of \$15,600,000. In stockholders full to elect to subchase addrisonal shares. The plan, approved by directors, will sive al share for each two held, plus las would be estitled to 660,000 an option warrant for the purchase of unother store at \$10 per store good for two and one-half years. retain a maximum of 200,000 crease outstanding common stack shares from 1,983,381 to 3,866,592 shurer

There are a number of seterestpoord financing. The paccent of turn the company a gross of \$30,- Should Pan American continue to stream forced to reberribe to the By subscribing to the additional new shares. Hawver, it is true cerre a warrant for each two spiri-

Cash Investment Unilkaly-2 in the offering price about he less fideat of Pan Averagen's future by than \$13.52 or the equivalent of accepting options. Atlan will not he called on to overt any cash Purther, on the ultimate every range from a reserver of \$22,000.

any cub. The immediate market response greeting the financial plan reemed to warm a fair derood. Atles stands to predt handunntiractive but are basically and an ultimate profit may be real-

Corp.'s "general policy has been to tavest in 'so-called special situation' companies which may seem part in most of its special and controlled attustions. How far the trust will go in assisting the mon-

American remains Aviation Corp. about 9.2 percent of the total pres-

her of chores covered over Mine tres, 10,990 each, National Aviamere Trust, 6.503; and National

h Helds Northeast Stock - Atlan programs further assistance & needed Other Atlas aviation inand 500 American Export Autipes Ating Corp. is decrinated by Flard Odlam, who has been outstandingly successful in financing operations. One of the directors of Atlas is Sarruel Zecourray, presscompany has filed for air rester or It is noteworthy that the Pau American capitalization pressures to become by for the larrest

roods. In addition to the 2.972.044 record by the autime will access-

tate preferred stock offerings.



UP..., UP.... UP into the sky!

DOWN ... DOWN ... DOWN to the ground again . . . just like the ride you take on your office elevator. That's the ich Fodoral Agricl Navigation Famin ment is doing in controlling str-traffe.

Federal traffic control equipment guides the plane from the minute it leaves the rangery, right into the skips, heads it feet and sure for its destination and swides it back to earth . . . all with morel and accuracy.

And looking forward to the greater arount of passenger and freight traffic that will take to the air temorrow. Federal has developed even better day traffe control equipment,

Here in one compact recearch and manknowher to design and manufacture complete sir-traffic control systems for every need. Now is the time to have Federal help you plan for the air ago of the fature.





"These are a few we can talkabout now"

Today, the eight Jack & Heintz plants are turning out 56 different war products-in unending streams for the finest aircraft in the world. Our newest assignments are military secrets, but jobs we can talk about now are the instruments, auto pilots, generators, starters, motors and brazings that have rome to war by the tens of thousands.

This equipment is used in pursuit planes, hombers, transports, noted hous, trainers, gliders . . . and even blimps. Its performance has been such that the Jack & Heintz nameplate is now a welcome sign of dependebility to the men who gamble their lives on it daily in every corner of the globe.

From the first, lack & Heintz has led the AVIATION NEWS . December 18, 1944

war in reducing weight, boosting output and increasing service life on every job undertaken. Engineering like this has belped keep America's sir fleet first in the war . . . it will be equally effective in holding that place in peace.

AVIATION NEWS . December 18, 1944

Watch Jack & Heintz for new things in aircraft!

Jook & Heintz, Inc., Clayeland, Ohio, monafacturers of Alverett Engine Starters, Generators, Gyra Pikels, Gyra Filight Instruments, Megantes, Meters,

Easy More Was Easts and Stronge

PRODUCTION

Production Difficulties Tax Plants

To Meet B-29, A-26, C-54 Schedules Design changes and sharply increased requirements also fac-

tors in pointing up possible spread between output of vital aircraft and military peeds central difficulties, in eddition to

tainment of actudates for the Boechief of operations for the War Production Board, postded out that B-29 is being built up in page with that the bug bomber will remain in the pressure shoutheation for months to come. In discussing peneral requirements, Mr. Batcheller

fuction our never come through Fingine Shortage Likely - WPS evidently is looking shead to a performess. There is at present and that approduce of the B-33

CONVAIR'S NEW LABORATORY

Design, changes and production schedule, now proposed, may result

Cheysler Division of Dodge Mator Works at Chicago is credited with a "magnificent" production job turning out the R-5350 engine, O., is termed the guestion mark in the peagreen Deliveries from this January and build up from that the urgency of its production

Beeling Withits on Schedule is seeking to link the problem of about of orhedule on B-27's smee May-but schedules, WPB wares. car be incremed. The plant plant was only five planes behind though it is a month belond the

Long Beach und in its design h Loher Problem for "Shrymanter" mother properties peopled December producer at Chicago is beautrung

A 500 to 4,000 hear workers at the

begreene of 1965 in the face of a

turbs labor market which now The end of the harvest senson in

Gleen L. Murtin B-29 plant in

Omaho, where 2,001 new workers

are needed, and where a relatively

low wave scale is harmering re-

Deliculties at Bell Finat-The

has been having trouble with kinks

scoording to WPB. Although WPB

trained virtually from seretch with little or no metal-working

ager of the plant is James A. Car-

nuchael, a Georgia sittorney and

sociated with the plant since the

Two or three meetins of delea-

The Deurlas Long Beach, Calif.

tin Morrager, But WPS adverty that the new schedule is realistic to terms of manpower" after revision early in December. With also discloses that additional tools would tion is expected to en-e the Martin

NACA's Lewis Reveals JP Research As Major Activity of Air Industry Discloses that a "yeary large number" of plants powered by in

which has a jet uset using the

propulsion and gas turbine units are now being developed by Army and Navy. Research into gas turbine and let with very large jet preprision regulator power units for air- units in it, and a "special design arppulsion power units for air-

craft is one of the major unpullarged activities of the sircraft magazirering industry, a situation pointed up by recent testsmeny before the House Appropriation Committee by Dr. George cesearch for the National Advisory obsertion of our turbines and set oregulaten units. Dr. Lewis cors-New Plans Dodgus-New proscets are being assigned to the experience. the introduction of

metter the P4U Vengat in this called attention to a third which during the past year. He mean ugged, too, the F15C, identified only as a "Curtiss job." h Arrey. Nevy Die Studied... There are not all the projects, he noted, regets aresteing set requestrion and ced are forling their may on to

He mestuced the YP-39-The Bell Airgonnet-which he said C-PRI BOX BLESS OUR

that tantahning testimony, the discussion was off-the-record. ne the dual rotation peopeller Bestrieted-Another phase of the estimate is \$3.600,000,--C. S. H. U. K. Plane Output White Paper recently issued by the struction and equipment. The

Operating under blackout conmate was \$835.046, that for the dilions and frequently under attack, the saveraft plants produced 10,418 heavy bombers, and fighters rate of 946 a month un 1942, 1941 and 1944, probading

D. C. Barney, chief of the Navy

Ruceau of Aeronautics, testaked

need financing to further develop

needs for Westurbouse at \$18.-

000,000 and for Pratt & Whitney

manufacturers, about \$7,500,000

In addition, the Admiral testi-

produced in 1941, the total is 236. 035. For 1944, through Mayerber Barney Trafffen-Rear Advers D. FARRAGE GROVEN BY BRANCHS 1- PURENO GAVES AFTER GOING THE OWNER FRANKS FORM AND THE DESIGN PLANES



furelose of Bell's P-53 Arrecours. AVIATION NEWS . December 15, 1946

force oir through the cunnel at 350 mah. Models with 10-foot wing sparse can be bested. Installation of the apparetus used in research work manpower situation at Baltimore will be completed by the end of 1945. Cost is estimated at \$526,890. -W. G. E.

AVIATION NEWS a December 18, 1844

Details of Bell's Jet Propulaton Plane: Above sketch, just released, shows how there years units fit sensely beneath the uruser and applies the

B-29 Device Utilizes Maximum Firepower

All suppose but man in sail can control more than one turrer at a time in case of need to concontrans defense from any norte. Any gunner except the tail ganner on Bowing's B-29 Superfortress, our assume control of five turnets at one time under the tack Laboratory of the Air Service Technical Command and General Individual B-19 garcers have primary control of certain turrets and secondary control of others. A garner with primary control of a tarret has first call on its services, which he can relinquish to

An intrinste but easy-to-operate signal system permits this ex-Maximum Firepower Diffication -In event of eccemirated attack 000 huiding expansion program ner whose vanon covers the point wide facilities needed for the comof attack not only can fire his awa turned at the enemy, but can boy- for fighter planes year a second turnet to double hus



Gun Control on Boolne's "Superfections": An AAP personnel is shown operating beant elements of the central parenery central system on the R-23, demonstrated and reads sublic for the first time in New York by AAF afform and General Electric Co. regeneers before a conference of industrial leaders. All the gazeter has to do us to get the enemis plane and peraller are worked out at split-record trupe by electronic and

turing building, and an additional two-stery office building are the asservation are to be built in the new factory structure. From there tem. meny combinations of turnet assembly building constructed two Fixed Areas Increased-Factory yard areas, used for outdoor proa tail turns. They are so area and duction work, are to be increased by 82,592 square feet of new paying and a new surfaced parking lot of \$93,000 square feet is to

wider more of vision than any other summer. He can operate either of two turrets separately or tarcousty. When he needs control sutney. The same unnomic strulos to other suppers stationed in

Ryan Builds Plants For Big Navy Contract

pany's \$60,000,000 Navy contract T. Claude Byan, president, said arepower. This control system re- a large sub-assembly manufac-

school buildings being moved from the opposite side of the sirport, Canadian Vickers Split into Two Units Canadian Victors, IAI., Mora

they will go for instellation and

he runnided for the 2,000 new

One of the three Ryan School of Accountation buildings recently

moved to the factory from its for-

permental manufacturing depart-

Two other buildings will be moved

treal has been divided into two other, Canadatr Leasted, to make The split came following frecussions between the Caradian govrepresentatives. The governmentowned plant of the company, during Deceles DC-4 transports W. Franklin, who has been as

h Agreement By Herry -- Av-His statement did not give any intimetion of the eventual discossi-

plant to Canadian Vickers of



The two Eimse electron tubes ilmany char few and die mobe Firms laboratories while undergoing a variety of exacting years deblarstely designed to wear them one data upon which you can depend new electron vacuum rabon.

and increasing as is practical at Figure. There are finerally beaudreds of individual own and imprecious to which overs Fireacoche is achieved. Such rigid control alone with existanting care in fabrication has enabled firme to set performance mandards difficult to equal, and to manessio these mandards in take after take, year after year. This is an important fact to remember when you are selecting electronic companiess, because a's the electron vacuum tube that makes such equipment "sick". Hence your equipment can be no better than the variety subsite extellant ... Better there was that Eimac, bring an exclusive manufacturer of electron vacuum rabes, is in a position to reader unbiased help with your electronic equipment problems. A nace on your company lettechesd giring details will bring this assistance without cost or obligation.



Rendshirkship, Person FLECTRONIC TELESIST



EL-McCULLOUGH, INC., 955 San Major Ave., SAN RRUNO, CALIF. PLANTS LOCATED AT SAN SERING CALIFORNIA AND SALE LAKE CITY, WAN Eigen Acont: FRAZER & HANSEN, 201 Cles Street, Son Francisco Galderina, U.S. A.



TRANSPORT

HAL Asks Board to Reconsider Award of Denver-L. A. Route

Patterson, president, charges CAB overlooked the entire public inscress in reversing the examiner's recommendation for United and allocating soute to Western Air Lines. By DANIEL S. WENTZ II

dictum awarding the route to Western Air Lenes. In addition, W. A. Patterson, United's presof the line cheered the Board with making a woung decision, and decision as "a shock to all of us." dation of Examiner Albert P. Beloverlooked the entire public inone company and that one coreone man with a relatively fear P Appropriate Position -- Patternon's ersting with Western in the conduct of a two-carrier transcentingeral operation, and competing The effect of the route award to Western, of course, would be to relocate the intercharge point of was accomplished by means of a

faction with the Civil Aeronauties

Los Angeles case resulted last

the distinction between CAB confusion in the public mind than now other event within aviation history." "The Civil Aeronatics Board," he explained in a re-cret speech, "It the localistres. palicul and regulatory agency for the administration of the powers delegated by the Civil Accombains Act of 1808; the Civil Accountation Administra-United Air Lines' deep dissatis- said the attorneys. An Indian head charged with the enforcement operating and promotoral functions delegated by Civil Aerocastics Art. and with certain technical regain-United would be willing to underassigned to it by the Civil Accompation Board. The Civil take another interchange acreement then the Beard's assumption Aeronouties Authority is the collective everall name for

> slone in protesting the decision. exposure alternove in a case. the Shredd the award stond, TWA lawrers claimed, TWA's position PTWA Protests-Dailed was not

Clears It Up Ownid Ryan, member of the Civil Arrenzales Board.

eteryes misunderstanding o



TORWARD DOCKING! SEEN EDD BOST-WAR.

A new method of loading for post-over planes was proposed to the SAE neer. Morse supposted that, with "foregred docksto," or names classes into the terminal, as depected in the perture above, 100-pagement postventional methods. Under his plan corpo and mad usuald be housied on the ground foor, while passengers were logded by occurring from the



The big Northrop BLACK WIDOW combines all three -

Visit to a contradictor, think when as shifts and slow landing raced in a large, fast sirplene. These reventire positions edge of the wong free Field, Hawthern Odlf Member Av.

ter for procedume postenger and The Hinth Widow, orth as a feet Eighter wat bug or a meditors burnhar



NORTHROP Country of the Flying Wing and

out, established a coast-to-coast party 45 roller sharter than TWA's present "shortest" route. Should Wastern-Urried Promposetinental system be operated, they claim TWA smuld be subjected to a loss of propries processing to areered profiter deflers yearly, and TWA also filed objections to the Board's award to American Air-Ines of the Tutes-Okishoves Criv-El Paso cut-off, which, TWA sttorneys chimed, so desatically shortens American's flying time between Los Angeles and Chicago that it erestes, in effect, another Both petitions for reconsidera-

tion will be asted on by the Board. then the case might well enter a further period of litigation covering many months. Should it refuse

Report Shows 'Musts' For Non-Operators CAB examiner's recommends

and and South East were dis qualified While Civil Aeronwaters Board pert on the Great Lakes-Florida

case is not particularly encourage. qualifying The detailed analysis of the procentations of Sinte Aurbe useful to other egulicante as an

Virginia Gentral Airfores not fit, air service for which they applied recommendation, Newmann point-* Audine experience is a "most" for at least a majority of the offcers of a new sirline company. b Williamness to undertake a new East Airlines' only company witcriticated by Nowmann as having "Ittle realization of the risks tosocial as a method of effective

Board or its expressers. South East's preposed plan of headling bilitatements by bank officials, indiguting their willingness to undermay not constitute sufficient proof of francial ability. One such offiten ebhantion to finance the francial program, which contained such a province falled to his metocalar arcification of francial tests rains added street,

ing additional stone to the exist-

ing currier, avaiding deplications

The condict among established hoar parallel correctition, especials surfled as a feeder line. Their found that in most cases this service could be provided by grant-

Charge 'Vet Appeal' Used in Application

Norseman Air Treespoor formed of Army, Navy, ATC and AAA at New England Hearing.

Nomeron Air Transport a pilots, became a center of dispresented before Civil Aeronya-Jerome E Bespess, a Hartford,

have shown it is the intent of these man's argumentien is formed of Army, Navy, Air Trensport Core-

Colonin's application was the for authorization to serve New Haven, Brockton, Previdence and stone, inaurouch as the latter New York, which is possible on E. Smythe Gamboull, Eastern's

attorney, said his company boned Gen which permits service on the New York-Boston run only by flubbs originating worth of Birthmoral, Va., and Charleston, W. Va. Northeast Auditor' presentation

ATA Proposal

Air Tempert Association to CAR recommendations by Such a law, it is suggested, should not to it that on air core ennal property with a permatame to other such property tones, ATA calls for exantirerate of surgood valuation of with tooms authority a pro-

fees, other than motor faed Noting that the policy of most states excepting from tax reason furt used for man-high-CAB regulation before auhness may leave the ground.

Wants Air Closed To Surface Carriers Bailey, Sense Commerce Commirror chairman, econes any moves by non-axission increases for international or deservic

airlines should not be permitted to extend their services in prefer-

has announced that he will assume next Congress. He was a U S Manney Private Concetition water competition to this faid His statement is a recognition of meatic fines will be able to fiv all principal to S. far region. named and attenuthment of existing carriers rather than allowers agreement to enter the field many of the 325 uncertificated amplicants for air coutes to get into the oir might make it hard to reduce subusties. He didn't mention feeder lines specifically but his declaration could be order. proted as advocating operation of

tender services in most instance. b Clash Expected - Not all the sorre with his views. A clash can he supported with Senator Put Mo-Carran, Nevada Democrat, who consutently has advocated openme the field to newcomers. Mo-Carran returned to Washington lost Week from West Coast hearconcern over any proprity diserts for next-war routes that merbs de-

devestic and the other with forearn aviation in the next Con-The latter would provide for an "all-American Flag Line" for of the year, Bulley plans There bearings be open, and the chairthem. He hasn't determined whothcommittee or to appoint himself

U. K. Reveals World Route Crossing U. S. Assourcement of military airfine follows international civil

h Montreal to System-The flight tradas with handless at Weshingtton, Dallan, Han Diego and Han System. Brimer's other world fights between Meetresl and Leedon and from London to Australia vas Indea

when \$ 0000 naugusts of our m. Day was made in San Diego by Squadron Leeder Beni Pita-Gfiben, in ebarge of Pacific specations. Pifts administrative, traffic and maintesome persented are attacked to his hendquarters at San Diego's Informed domestic series operstory feel that understandings reached at Chicago, especially

freight abor way a fixing and naber a compact Inhoratory in space, Abound hes, engineers from Sundard of Caliserine, for the first time, what were on builds alternify engines in flight "Petrolectronics," the application of electronic instrumentation to peprofesers research, made is possible.

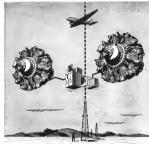
the looked like one other United

Maieliner, but only on the surface

currentled more of the burningener which remoded contemior decetes property, refinder property and samption under varying flight con-

wealed that leaner earbagette ortions. safely increased fuel economy 8% to 15%, that a cremin cope of spock ping eliminated perignition, that the

For Standard of California scienelses, this pioneer of all completely incommerced source plant flight remy led to now fields of receively-and the tremendously powerful Standard Aviolen Gassline of the present But Sundard petrolectronics hand's fact more fielding punch today-and in the blacocitation of more efficient





engines efficients

Petrolectronics writes history in the sky



WINGED FOR VICTORY by Fairchild

On wines built by Fairchild, the Navy's his vatrol hambers-Martin PRM-3 They've sent many a submorine to the bottom.

They year by the hundred over iry arctic waters: natrol the far reaches of the Parific curry hambe and munitions, carro and men to combet on distant nevel fronts. Behind their constantly increasing numbers is the

story of industrial America at war-the story of American vision, enterprise, initiative and coopera-We Fairchild Hircraft

Fatechild-designed sircraft.

for the Army Air Forces, and complecturing other In this day of industrial stirucles, this Feirchild accomplishment stands as another example of the ish that can be done with cooperation, technical knowledge and production skill

tion combining to appropriate the "impossible".

Three years one there was a reitical word for these

his fiving heats. Fairchild undertook the job of hullding the vital wine rapels despite the feet that

Fairchild had just hunched a heavy production

scholule, hulbling formus Cornell primary tesiners

Birinian of Fairshild Engine & dirplane Corporation, Hagerstown, Maryland ... Burkageon, Morth Carolina

State Legislatures Eve Aviation As New Source of Taxation

Official federal and state groups study situation with view to making recommendations for legislation; CAB committee works on multiple taxation problem. Indications are electiful that her a committee on trailing of

One of the principal bints that lectalatures meeting in 44 states official state and federal tax groups are studying avieties tow quesone federal, the last Civil Aeromultiple taxation, headed by Member Drwald Ryen Afitedy Toy Froblems - The Bound's reasonsh stoff also is saint's problems. Among these are-two organizations affiliated with the any Officers and National Tox Ac-Many other groups who are

lookuse usto the attustion, smort legislation that would declare against availtable, excessive and b Upheld by Supreme Court-A lot of this interest in eviation taxa-

tion was evented by the U & Bupresse Court's decision in the fleet because it is based in that state. In their 5-to-6 decision. situation, however, and the line a to Barnacy County, Mora, In ners, the group that, In the Board's

for the years 1929 to 1943. Compercy officials warmed that, unless headquarters to smother state

I Cites High Tax Bate-Northwest also reports that a recent CAH sirlines have been higher in Minnesota than is any other state. tax motters, however, a good deal aration of legislation to cover example, a state communicater of tentian to introduce a bill before ture that would give his depart-

telestes of convenience and necesincluding segments of intercials Indiana Legisletiser-In Indiano. Gov. Henry P. Behricker's commisthe forthcoming Indiena legisla-

of Cuba. Henry K. Gorreits of Poland, Mai. J. R. Mo-



DRAFTING COMMITTEE FOR INTERNATIONAL ATA-These rues met in Weshington last speek to deaft bu-

covamittee; Lieut. Col. Ferdinand Floren of Frence; re, F. W. Parey-Joses, adouer, of CIATO (Conferof France Met michared are Col. Padro A. Chang of mary communical director for Present Law Machada

opusion, the state's most appro-Explaining that the Civil Accosuccess of the U.S. policy depends on a surele, wasform control, "imto regulate this subject."

Non-Schedule Local Service Proposed

Suggested by Pogue as possible selection to local sir transport

k Advanced by Paropout'he vice Pogue in a speech delivered for tion. Suggesting that proceduled miles postsably will not after very buses and private once for some time to come, Pegue said he felt.

possibility" in national air transline to really small crites," he said, dispersion could not be fitted to any rigid route pattern . . . Why should we restrict with routes that air transportation to those amail

Pogue H ghlights L. Welch Porus, Civil Astrofore NATA's 5th snevan' convention at St. Louisi

menes of passenger and mail make a samafount contribution have the ration only halfsates an important developall believe that non-scheduled

remittee . . . It sooms clear has been done than for on the gor a definition of the full hold of opportunity for the

Form Transport Body A British Conscioussatth Airterial representatives of Great Britage, Canada, Austrolia, New vious are being ruled out. After

the British Courserveshib and Errpice. Crash Unexplained

neutres Board accident investigatoes in two days of hearings on Redfern secretary position. "When we get down the TWA's Dec. 1 accident near Burbank, Calif., failed to assure acce cause for the mishap other than that the plane was below the al- of Continental and now of Amerblude customery at the point of your, are missing from the new list the nordest. The plane and its of directors, which now includes instruments apparently were func- Eddie Rickenbacker of Eastern. borne properly at the time of Jack Pryc of TWA. O. M. Moster impact while an instrument sp- of American, Cred Hunter of proach was being made at the re- Northwest, T E. Reasoft of Bruneff. let's describes. Why the plane C Bedell Monro of PCA, and Paul

was not operating at the usual Collins of Northeast.

2500 to 2000 ft abutada remained ATA Backs Roosevelt

Ship-Airline Stand Garrell criticism surface carriers are needed to maintain strong Meechant Marina

secure Congressional support for their attempts to eater the air transport field appeared last week House Merchant Marrie and Fuherics Committee favoring the letter repertedly written by Presra key belying the President's view. DOM Argument Assocked-Gormiliar surface carrier processed that air notherisations are reread, would mean rather the atomathemias of surface curriess tess, or the diversion of surfine arodta to subscharg merchant

murine operations rather these wa-ATA Elects Officers

With one execution. Air Transpert Assessment officers were resteet Croil Hunter of Northwest Authors, whose place use taken Airlines Cal Edgar & Garrell Einsersely, treasurer, and M. F. Names of freezer derectors Willlism A. Patterson of United and

AVIATION NEWS . Describer 18, 1944



REPUBLIC @ AVIATION Spartefets in Highwans High abitude Abound

AVIATION NEWS . December 18, 1844

Report NWA Invited To Move to Scattle Transfer of home best doubted,

drapite disputed on assessment in Minneson. has been asked by the State of \$135,541 in personal property taxon erhance Westernsten where

ine had taken to the Supreme its whole fleet, almply on the grounds that the company is in-

of He fleet in six other states About 16 percent of its total mileage in flows in Minnesota

> CAB Study Started-As a tool. natories arread to conform, an

> Over 25 years of experience to build otal even finencin per

> the Mercucy-built

surfaces and parts tor the SECT.

Machinery Set Up-Machinery MENDAY

Fuei

tions which thus will have oppor-

ruling had on other lines.

Technical Annexes

To Accord Simplified

non of confermes by covern-

Warlers on technical aurores-

Paraguay Has High Air Cargo Potential

Prospects for place treffic with If S are best of our Latin Argeri. can country yet auxlyzed. Commuce Depo survey shows. Promeets for air earns traffic

studies of Latin American air cargo a based authorised the City of Provident.

the case won nation-wide stierpetentials Although 1939 trade with Pereguay amounted to only pert-import hunners with Lette tion, started a Civil Aeronustica America, \$1 percent of the \$2 -Board study of the erfice multiple 352 965 Paraguayan trade was potax problem, and next siring attorrays ocurrent to their law In addition, the prospects for a books to first what bearing the ments in both directions being

ing with Peraguay than with any other nation studied. Peraguay's ternal communications, is another sctor favoring air transport the copotal and at Conception

h Shinestely to U. S. Escential ... 97 percent of U. S. imports from parises with poevious surveys of

Previous studies, in comparison weal the following air corm matertiuls: Argentina, #1 percent, Brazil, 7.17 percent, Colombia, 13.1 percent, Peru, 18.1 percent,

CAR ACTION

the morror is narrathing two fields used in Engine mades the same other partial at finest approved as agreement between twent Arthurs and Assertmen Arthur a home to Hordwood to Assertment is the to Hordwood to Assertment is said applicable. By John radio trans-tonation approximate. at their poctorseos for the location to E. E. On White Measures Engine Assessed

CAR SCHEDULE

See 16. Ord organical in the Watchaster Characteristics and (Denies and a) the St. Denies and all the Characteristics and the semedismired man (Dismon in mt pl).

Emergines is Kansama Fam is MenKNY report in the Alvan Labor-Frincia
of dan identical fill at all.

E Each dan in the North Admired

Committee of the Alvan Admired

E Each dan in the North Admired

E Each dan in the North Admired

E Each dan in the North Admired

E Electrical fill at al.) Profipmed

Hill Tembeles having day Yesterthomas care (Column III at al.)

E Electrical days (Column III at al.)

E Polyrome from North (Illustia

the Projected from Not 1 (1980s)

in H. Projected from Not 1 Finds now

in H. Projected profe in Finds now

for (1980s) and m (1)

in H. Synth due in their Labor-Firelds

Han, H. Sinch in Will Come one for

(Pendig Set as My Come one for

(Pendig Set as My Come one of

(Pendig Set as My Come one

(Pendig Set a

TWA opened service to Toucke on its system. Topoles is being served by two deals fashed each way.

to \$5,434,604 compared with 1943's therd quarter total of \$1,429,b United added a fourth daily crosscountry round trip enega schedule circu operation to 18.450 miles. The new firsh operates between Seri

disputary—many than the III resolved to just it into effort—signed first in-series agreement that will prevent an-ity a politicated or prevent as a singled Amount on many opposit the opposition. channels as more element the consecution. Afterways well and nate force welches realisticated by the resources present the second of the control of the resources. Present the resources are the resource of travels and services for the present soft them present side force who fit the tight for the resource of the resou , Ryi

How Nations Voted

A background of EXCELLENCE...



um resource hydroplic lines for elecuft apallications as assurance of our intecrity in worksamelip and management.

RESISTOFIEX RESISTORIES CORPORATION, RELIEVILLE 9, N. J.

Future Civil Plane Controls craft industry since the start of Washington's

latest arcent earnough for intensified war production and less cooling auture have been anawared by Grover Looning, WPB's head consul- corresponds field.

allow manufacturers to develop civil aircraft pro-(2) WPB will permit all further civilian plane production which does not impede the war effort. Fortunately for the nation and sylution, WPB

has had a capable, firm and outspoken adviser in Grover Lossing. His high estimate of the velue of civilian prototype development is typical of his "There are countless developments in a prototype way that can be done now by the arcraft indastry in agrang at a percetime product that would nevertheless have a war value," he tald the

a great deal of work to be done on it. There is radar with all its important blind landing implications for future airline and private fying. There en the servate appliance. There is that great new field of the development of glider trains for much changer and more versatile air transportation of freight which has been almost untouched ex-"Bull more, better, faster and chesper-to-run

reat military value. A new field of great signsfcence from a military angle that has an equally count commercial possibility is development of small, sirborne aircroft that will connect the great serious to the ground as a tender does the great ocean liner without making it necessary for the *Even those two outstanding needs for success-

ful private flying promotion, the cross-wind landing gear and development of a muffler to get away

from the similage's noise museurce, have a milibuy usefulness, even though they are not manda. Convention in St. Louis was to have been a discus-Mr. Loramy source the lightplane industry at

and start regular production, personed labor in available and cannot be used for warplants, and deve. He also makes it clear that no companies will be compelled to remain alle merely because

(1) WPB will continue to make every effort to situations that will select as between one company housees, as in all life, there is the element of lock. and we do not control it." Let it be said to Mr. revergment should try to control it.

Recognition, British and American Two Bernes Government, frequently cited by

ribbons to members of their armed services, has armsured it will grant recognition to British "The hallconter field is still wide open and needs as it decorates its Army, Navy and other service

> British Information Service points out that armed aircraft all over the world, often into hatthe areas, keeping open vital communication routes under orders of the British Government. Our own pilots of the Air Transport Command operations dwarf the BOAC system, have had the added responsibility of ferrying desperately needed sircraft into the war nones, but no effort has been made by either the Army or Navy to corder on these men recognition of their services. Thirty consecutive days in the area still is the mintenum recognite for a theater ribbox. We recommend the

Looking Ahead?

NE of the most interesting seesions scheduled for the National Aviation Trades Association sion by manufacturers of private-owner type planes on new developments in their post-wer airthis time that wherever possible companies will exaft. It was canceled at the last moment. Its subhe nermitted to no beyond more prototype work Sect: "Arruraft Manufacturers Look About."

ATIATION NEWS . December 18, 1946

New Flight Instrument guards against fuel waste!









3. THE MAY SPERRY Detention







Sperry Gyroscope Company Division of the Secret Cornection



CONTROLS for AIRCRAFT FLIGHT **OPERATIONS**

> White-Rodgers modulating temperature controls and Servo Actuators provide the safety of automatic local or remote control and assure greater freedom for the pilot in applications involving the control of

> > CABIN TEMPERATURE

Authorized manufacturers concerned with the above or similar applications may secure engineering data on request.

ANTI-ICE TEMPERATURE CARBURETOR AIR TEMPERATURE CARBURETOR MIXTURE CARBURETOR THROTTLE

POST-WAR PRODUCTS **NEED CONTROLS, TOO**

dopted for anti-ire applica-

Whatever is an your drawing boards for post-war, it's two to one it will have automatic features. If these features involve control by temperature or pres-

sure, investigate controls made by White-Rodgers. Write today for

catoloa ond engineerina dota.

pounds, is dust-proof and mais ture resisting. Dim than 10" x 3" x 5"







WHITE-RODGERS ELECTRIC CO.

buretor oir temperature



SAINT LOUIS

Controls for Heating · Refrigeration and Air-Conditioning